IN
GROUPE

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IN GROUPE: THE RIGHT TO BE YOU, ANYWHERE, ANYTIME

IN Groupe, a global specialist in identity and secure digital services, offers state-of-the-art solutions, integrating electronic, optical, holographic and biometric technologies, for serving Governments, businesses and citizens, in France and across the world.

From components to services, including secure identity documents and interoperable systems, IN Groupe exerts a constant, daily presence to help make people's lives easier.

In preparing for the future, the company has fully embraced the digital revolution, providing customers with innovative products and solutions to support the digital transformation of economies and society.

IN Groupe is committed to ensuring that identity does not become a service, but rather that it remains a right. This commitment is at the heart of IN Groupe's mission: to guarantee everyone's ability to fully exercise a fundamental right: the right to be you.

As a trusted strategic partner to Governments, administrations or companies seeking to maintain their digital sovereignty, IN Groupe manages an end-to-end value chain, which allows it to control cutting-edge technologies for secure components through its world-leading brands: SPS for electronic components, Surys for optical and holographic components, and the leading European brand Nexus for professional identities and IoT.

IN Groupe is present in more than 130 countries, with 8 commercial offices worldwide, 1,800 employees, and a 2021 turnover of €453 million.

DIGITAL ODYSSEY 2025: A STRATEGIC TURNING POINT FOR PREPARING THE IDENTITY OF TOMORROW

In response to customer expectations, IN Groupe has extended its expertise beyond government-level identity solutions (regalian), by developing solutions and services that address the identities of businesses, professionals and objects.

As a trusted, historical partner to governments for identity management, IN Groupe supports digital transformation by offering digital identity solutions that guarantee the same level of security as physical documents, while contributing to the development of new uses for digital technologies. The Group's strategic plan "Digital Odyssey 2025" conveys the vision and means for contributing to the rise of tomorrow's technologies in the identity domain – including the development of new applications – while at the same time maintaining a high level of security.

In this way, within a space of less than 10 years, the company has been able to increase its export turnover to 56% of income. In addition, the Group, through Odyssée Digitale 2025, aims to further increase the share of its export activities – in particular through the growth in services related to digital identity – in order to support a continuing rise in demand.

SUPPORTING THE DIGITAL TRANSFORMATION OF GOVERNMENTS: FROM PHYSICAL TO DIGITAL IDENTITY

As a driver of innovation and competition, and as a technology with a high level of attraction, digital technology is shaping economies and society. In the context of identity, digital identity is a significant issue for Governments, whose digital sovereignty must guarantee the deployment of a secure, trusted identity. In the face of increased threats of cybercrime, IN Groupe believes that a strategy **founded on secure identities constitutes the first rampart of resilient cybersecurity.**

IN Groupe has established itself as a trusted third party for Governments by working towards the development of a secure digital civil identity that addresses financial and economic activities, as well as public teleservices.

Some of the Group's emblematic projects over the past two years attest to this.

In line with its primary mission for the French Government, **IN Groupe supported the Ministry of the Interior and the ANTS agency (National Agency for Secure Documents) in** meeting the security and usage requirements associated with the new electronic identity card.

This new generation polycarbonate document, designed to be used for up to 10 years without any degradation in readability, incorporates both proven and robust security features, combined with innovations that include security architecture validated by Ministry of the Interior experts. Each holder of the new card is thus able to prove their identity, and to travel within the European Union in a more practical and inclusive way.

The card was awarded Best New National ID Card 2021 at the High Security Printing Awards, an international awards programme recognising the best of new documents such as government passports, identity cards and residence permits.

As an extension to its Government projects, the Group contributed to an acceleration of the digital shift in the health sector by supporting the ANS (Agence du Numérique en Santé – digital health agency) in deploying solutions for professional healthcare services ProSanté Connect and eCPS, as a complement to the CPS card (Healthcare Professional Card).

This dematerialised "e-CPS" allows Healthcare Professionals to authenticate themselves online, and/or while on the move, in order to access various services requiring secure authentication. This solution was one of the pillars of securing the remote connections of healthcare professionals during the health crisis.

The health crisis also led IN Groupe to develop the TAC Verif application, for validating Health Passes – and subsequently Vaccination Passes. This helped to gradually restore public access to different locations, transport systems and public spaces. As carriers of highly sensitive data, the passes are verified by an app, without connecting to a server or submitting data for verification. Instead, verification is carried out via a completely disconnected mode. No connection to the internet or to a server is necessary to verify a Health Pass.

IN Groupe's development of new business verticals recently led it to attend an agricultural show where it presented the Agriconsent solution – the first decentralised digital identity based on blockchain technology. The solution was jointly developed with Agdatahub and Orange Business Services, for professionals in the agricultural sector. The digital identity is based on IN Wallet, IN Groupe's secure digital wallet, which allows its holders to freely manage their personal data, as well as validate or revoke their consent to the use of data associated with their identity.

As a partner to the Principality of Monaco, IN Groupe enabled the deployment of digital identity and new identity documents for Monegasques and Residents. This government-issued digital identity allows for authentication that is both highly secure and simplified and that gives citizens access to a number of public and private digital services. No additional proof of identity is necessary for citizens to access the different processes for engaging with the State or its private partners. IN Groupe was involved in the definition, development, implementation and deployment of a global (physical and digital) and integrated identity system.

IN WALLET: DIGITAL IDENTITY FOR SERVING CITIZENS… MADE REAL

IN Wallet is a fully secure digital wallet, and the first digital identity solution to be designed and developed by IN Groupe. Presented in 2018 during the Assises de l'Identité Numérique (Digital Identity Conference), this key innovation prefigured the future of identity, both from a technical and technological perspective, as well as from a viewpoint of associated applications. The solution allows a fully dematerialised digital identity to be derived from a physical identity support. Both physical and digital identity remain linked, allowing each individual to own a digital citizen identity and, for example, to identify themselves online in order to access secure services. The IN Wallet solution, which the user can open with a security code, provides:

- a certified duplicate of their identity documents and proof of different rights, on their smartphone;
- a citizen digital identity with the highest levels of security and allowing the use of online services.

The daily life of the user is thus facilitated, without compromising the security of personal data against acts of usurpation. In addition, the user remains in complete control of the data, given that IN Wallet does not engage with databases, and is able to share only the information needed (such as whether they are of legal age).

STREAMLINING AND SECURING BORDER CROSSINGS

SECURING TERRITORIES

As a partner to Governments and their operators, IN Groupe has developed a global offering of technologies, products and solutions dedicated to border control management.

The requirements of Governments in relation to border controls are constantly increasing, in particular as a result of new regulations, where the need for reinforced security must combine with the need for fluidity with regard to border crossings. In Europe, for example, these requirements are reflected in the systematic control of people entering and leaving the Schengen Area, whether they are Europeans or from third countries, and whether they have a visa or not.

INNOVATION WITH HIGHER SECURITY TRAVEL DOCUMENTS

The electronic passport solution developed by IN Groupe meets the expectations of issuing authorities. From analysing document fraud to providing support during the launch phase, IN Groupe offers certified components and project support services for creating secure, functional and aesthetic travel documents, in line with imposed deadlines and budgets. IN Groupe is certified, at the highest, "Central Bank" level, according to ISO 14298 – Management of security printing processes, having received its certification from Intergraf. In addition, the Group is certified according to ISO 27001 – Information security management.

PLACING THE TRAVELLER AT THE HEART OF THE SYSTEM

As part of a process of continuous improvement and modernisation, Getlink selected the expertise of IN Groupe to prepare for the mobility of tomorrow and improve the travel experience of Eurotunnel customers.

In 2019, Eurotunnel terminals were equipped with two sets of nine PARAFE systems (automated border control systems, or eGates), which became operational last April. These new generation facial recognition systems (5 for departures, 4 for arrivals) have made border crossings easier for travellers with biometric passports.

In 2020, Getlink and IN Groupe implemented phase 2 of this partnership with the test launch of a smart border management solution based on biometric recognition for truck drivers.

SIMPLIFYING PASSENGER FLOWS

The systems emanating from IN Groupe's centre of expertise for biometrics enable adult travellers with biometric passports to spend less time passing through border controls. The systems make such controls 5 times faster (with 1 agent for every 5, simultaneous, passengers). They also reduce the number of control failures, by means of improved ergonomics (ie. hands-free devices and ease of presentation in front of the biometric sensor), as well as speed up the reading of the passport. In compliance with the PARAFE system, the eGates accelerate border identity checks, while ensuring the highest level of security. The PARAFE airlock compares the face of the traveller with the photo stored in the microprocessor of their biometric passport. The control process is secure, fast and fit for purpose. eGates have been installed, among other locations, in the airports of Nice, Marseille, Lyon, Mulhouse-Bâle as well as in Coquelles and Folkestone, in the Eurotunnel terminals.

RETHINKING BORDER CROSSINGS WITH THE DIGITAL TRAVEL CREDENTIAL

The travel industry is a driving force in the transformation of flow management and its adaptation to regulatory and health constraints. The International Civil Aviation Organisation (ICAO) has proposed the creation of a digital health passport associated with a digital identity dedicated to travel: the Digital Travel Credential.

This innovative solution was developed by IN Groupe with the perspective of fully digitising the traveller's experience, prior to their journey. The solution enables the reduction of credential-checking times through the use of new authentication and verification mechanisms. It also simplifies the addition of new attributes needed for travel, such as eVisas, updated photos or health passes.

IN GROUPE: STANDING AT THE SIDE OF BUSINESSES

In the face of the digital revolution, issues related to the integrity of businesses can no longer be ignored. This groundswell of change requires businesses to accelerate their digital transformation, integrating cyber-secured solutions to guarantee the highest level of security for their systems and the portability of their applications in situations calling for mobility.

IN Groupe offers private entities identity solutions for professionals and products, which are capable of meeting current challenges, such as guaranteeing the high availability of systems and data, protecting information, securing physical access and logistics, optimising productivity, and reducing costs.
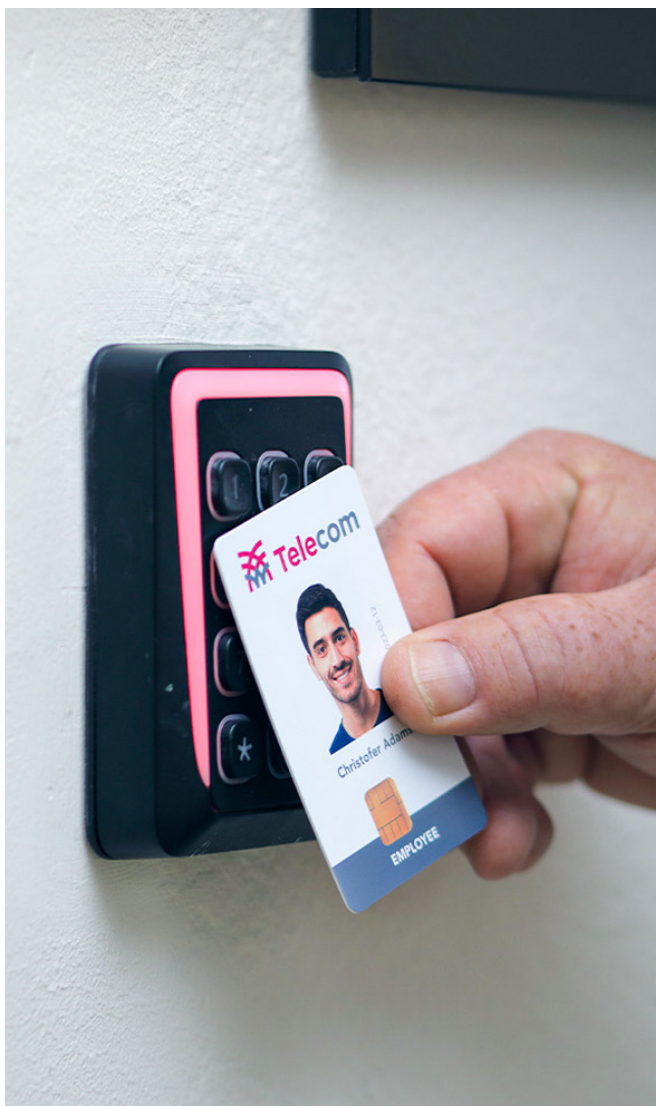
SECURING IOT-CONNECTED EQUIPMENT: STIHL CHOOSES NEXUS

Nexus was chosen to provide trusted identities in the form of PKI digital certificates for the robot lawnmowers of German company STIHL, in order to manage the complete lifecycle of each identity, from conception to decommission. STIHL received an onsite turnkey solution, assigning the lawnmowers to their certificates during the manufacturing process, and thus guaranteeing a trusted identity right from the start. In addition, Nexus provides its GO IoT service in its capacity as operational certifying authority. This allows the lawnmowers to log in and obtain secure certificates, as well as manage their overall lifecycle. The machines are provisioned with birth and operational certificates in accordance with the EST protocol.

EXPANDING NEW-GENERATION DIGITAL IDENTITIES INTO A MANAGEMENT PLATFORM: SIEMENS CHOOSES NEXUS

For Siemens, it is essential to provide highly secure and reliable certificates to both employees and business partners the world over. A public key infrastructure (PKI) is deeply integrated into the Siemens organisation, which has been building and operating an in-house solution for over 20 years. The company subsequently made the decision to replace this internal application, including its card management system, with a solution based on Nexus technologies. To ensure the longevity of the solution it is necessary to maintain a high level of security while meeting employee expectations in terms of mobility and flexibility. In addition to providing global services via the use of traditional smart cards employed as company badges, Siemens PKI is expanding its options around trusted identities. To this end, a system for managing form factors for complementary certificates is being implemented.

AGGREGATING MULTIPLE SERVICES FOR THE TRANSPORT SECTOR WITHIN A DEDICATED PLATFORM: HUB PRO TRANSPORT, DESIGNED AND OPERATED BY IN GROUPE

The Hub Pro Transport platform enables issuance and lifecycle management of credentials pertaining to «smart tachographs», ADR qualifications (for transporting hazardous material) and driver qualifications.

The IN Groupe platform guarantees that all tasks related to the issuance, management and use of driver credentials – such as managing multi-channel registrations, processing requests, and validating regulatory data – are processed in a central system, in the form of a PaaS (platform as a service), which is individually accessed by drivers or by a central government agency acting on their behalf.

This modular solution allows ease of integration, and can be immediately upgraded for handling new-generation smart tachograph credentials, and maintaining a high level of security. The Pro Hub Transport combines a CMS (Credential Management System) and a card personalisation system to manage all stages of the lifecycle, from card request to production, shipping and card activation. In the near future, the solution will integrate other, complementary services to make life easier for professionals in the transport sector.

TRANSFORMING THE MANAGEMENT OF PROFESSIONAL IDENTITIES: AIRBUS CHOOSES NEXUS SMART ID

Airbus Digital Trust Solution (ADTS) chose the Nexus Smart ID platform to improve its information security processes, by means of a state-of-the-art enterprise PKI (public key infrastructure) platform. Airbus Digital Trust Solution selected Nexus Smart ID to provide a reliable platform for issuing and managing trusted professional identities, based on the use of certificates, thus helping to strengthen the security of information within the organisation.

The Nexus PKI platform is certified according to Common Criteria EAL 4+, which serves as proof of its strong security and high quality, and which makes it the most modern PKI platform available on the market. As a result of Smart ID, Airbus also has access to flexible options for virtual smart cards to support smart mobile devices, as well as high-security physical smart cards.

The Smart ID enterprise PKI platform is a flexible, scalable solution that guarantees seamless configuration, customisation and migration. Airbus is thus able to control the full lifecycle of its trusted identities, including people, infrastructure and objects.

PROTECTING CITIZEN IDENTITIES AND THEIR USAGE

IN Groupe continually adapts its offering to changes in the daily lives of citizens around the world. Its goal: to simplify administrative e-procedures, accelerate dematerialisation, and allow citizens to have a perfectly secured physical and digital identity.

MOBILITY INCLUSION CARD: MOVING THE GOALPOST IN FAVOUR OF THE DISABLED

In response to fraud-related issues, the new-generation Mobility Inclusion Card (CMI) replaces cards previously issued to people with handicaps: namely disability, priority, and parking cards. The objective: support the mobility of people with disabilities and help facilitate their daily lives.

IN Groupe also carried out a digital reengineering exercise with regard to the card issuance administrative process, resulting in the CMI e-administrative platform. In addition to dematerialising the issuing process and enabling faster card delivery, IN Groupe has secured the fabrication and utilisation of the cards. And in order to simplify the distribution process, the production and entire life-cycle of the card, up to personalisation, have been centralised.

FACILITATING NEW FORMS OF ACTIVE MOBILITY

Since 1 January 2021, the Mobility Orientation Law requires that each new bicycle put into circulation carries a unique identification number for facilitating declarations of loss or theft, and for allowing the return of the cycle to its owner. IN Groupe was appointed by the APIC (Association for the Promotion and Identification of Cycles) to implement a trusted system for identifying bicycles. As a provider of platforms with high technological value, IN Groupe thus made available to the entire bicycle ecosystem (users, operators, law enforcement, etc.) the means to identify, use, control and manage the life of the bike, via a dedicated platform.

IN Groupe also associated the O'code solution with this project with the aim of protecting owners' personal data, based on a technology for identifying and tracing objects and documents on blockchain.

As a system that is designed to meet each stage of the bike's lifecycle, IN Groupe's solution covers the issuance of unique identifiers, their processing by State-approved providers of marking solutions (including readable, indelible and micro-percussion markers, as well as resistant labels), but also the sale, resale, theft, restitution or even destruction of the cycle.

In the event of theft, the owner can prepare their own declaration online and modify the status of their bicycle. The police are then able to use the unique identifier to establish a link between cycle and owner, in order to return the bike to them.

CRIT'AIR STICKERS DELIVERED IN A FEW CLICKS

Since the launch of Crit'Air air quality certificates, on 1 July 2016, IN Groupe has been offering users a fully dematerialised issuance service. The service, which was set up by the Group in less than 9 months, allows users to obtain, in just a few clicks, a dematerialised sticker that is completely secure. A corresponding certificate is then received by post a few days later. During its launch, a maximum of 500,000 monthly orders, and more than 13,000 simultaneous connections on the same page were achieved, demonstrating that the platform could reach levels comparable to the biggest e-commerce sites.

IN GROUPE: A BENCHMARK WITHIN THE INSTITUTIONAL ECOSYSTEM

IN Groupe is a committed partner to institutional bodies in France and internationally. As a stakeholder in major national issues and transnational initiatives for improving and securing the right to be you in the digital age, the Group collaborates with organisations within its ecosystem.

It actively contributes to the principal national associations – ACN (Digital Trust Alliance), FnTC (Federation of Trusted Third Parties), Eurosmart – as well as to the international association SIA (Secure Identity Alliance), in order to convey its vision of a digital identity that is secure, multifunctional, and inclusive.

To meet its objectives for a more sustainable and prosperous Europe, the EU is looking to deploy a digital identity for all, by facilitating identity usage, exchange and interaction, thus allowing it to maintain its sovereignty in the physical and digital world: an objective that has long been supported by IN Groupe.

It was in the spirit of this same dynamic that the group joined, in 2022, the Cyber Campus, a project initiated by the French President, for establishing an operational centre dedicated to cybersecurity.

# CROSSING OVER EXPERTISE TO STAY ONE STEP AHEAD

IN Groupe's policy is to grow its partnerships and to never be hesitant about combining its know-how with that of others: a policy that continuously places it at the forefront of applications and innovation.

IN GROUPE AND CEA PREPARE FOR THE FUTURE

In the face of increasing digitalisation and the related need to ensure the protection of citizens' data and the integrity of businesses, IN Groupe and the French Alternative Energies and Atomic Energy Commission (CEA) launched a partnership in 2022 for researching technologies related to the future of digital identity.

The priority themes addressed by the partnership are:

• Decentralised identity and interoperable blockchain in the context of ongoing European discussions on digital identity,

• Image fraud detection (deepfake, anti-spoofing) for identities associated with border crossings,

• RAE (Risk Analysis Management) for analysing risk at border crossings.
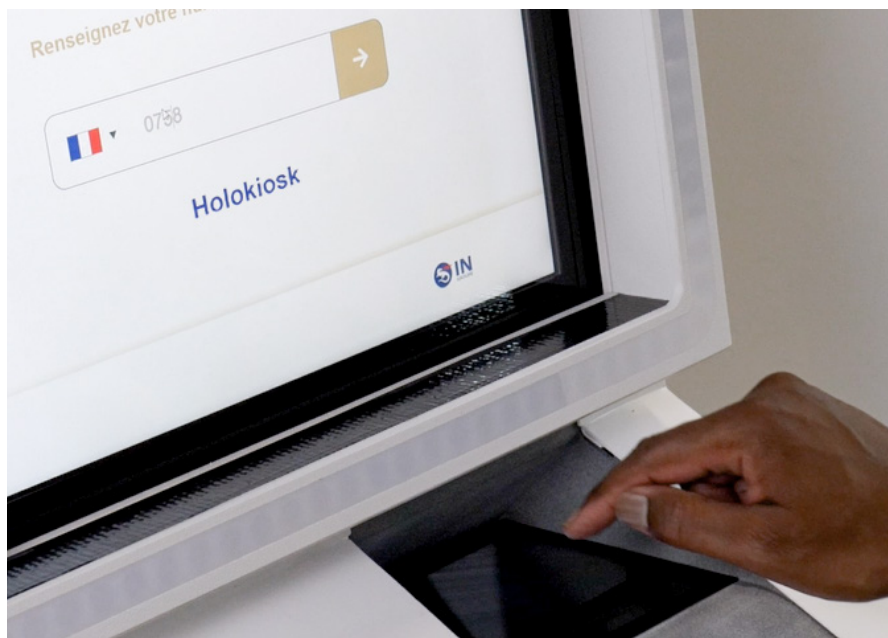
IN GROUPE AND MZ TECHNOLOGY DESIGN THE 1ST CONTACTLESS KIOSK

With its Holokiosk solution, IN Groupe and MZ Technology offer a new-generation, self-service kiosk designed to meet the highest expectations in terms of confidentiality, security and health requirements.

The Holokiosk incorporates interactive holographic imaging that is visually projected in the air. It is as easy to use as a classic touch interface, but without the user having to physically interact with the screen. The kiosk also provides fully integrated functionality across the user's entire journey: a world first! In addition, the Holokiosk is characterised by its capacity for optimal, end-to-end integration: as a plug & play solution, it can be easily added onto equipment already in place.

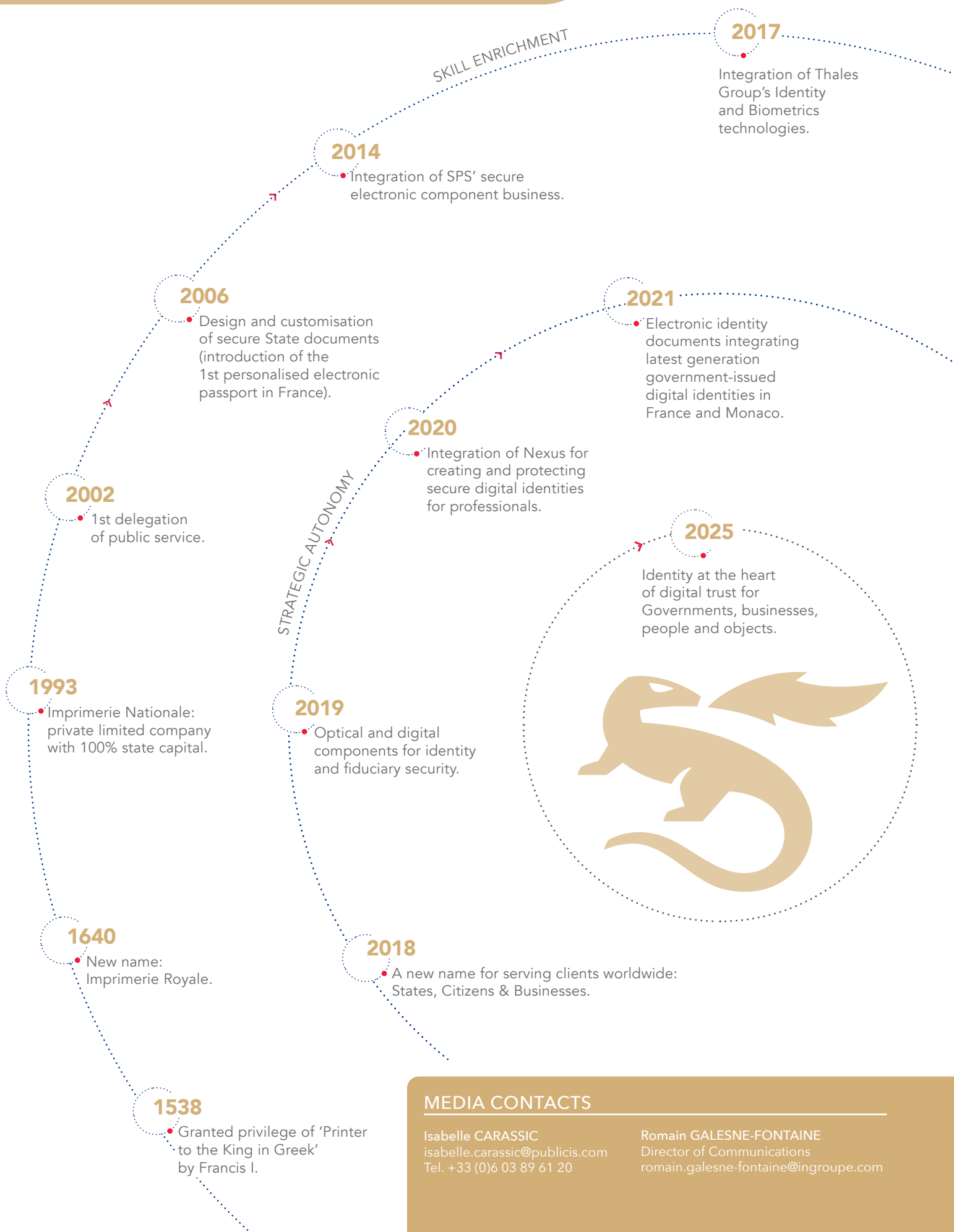## IN GROUPE AND DATAKALAB SECURE BORDER CROSSINGS WITH EDGE COMPUTING

The two companies have developed an **unprecedented smart technology solution for automated border control**. They have succeeded in integrating into checking equipment an innovation that detects a breach in the single person access system, using **edge computing technologies to analyse images that can then be processed by local neural networks**. Although initially designed to detect single passage breaches, the solution has now extended to the management of flows in various public places.

IN GROUPE, VIA ITS BRAND SPS, AND ELLIPSE, TEAM UP TO FIGHT CREDIT CARD FRAUD

Payment systems that are used on e-commerce platforms are plagued by fraudulent activities caused by the low-level security of fixed Card Security Codes (CSC, also known as CVV or CVC), printed on the signature panel of most payment cards. Ellipse has developed the Ellipse Verification Code (EVC), displayed on the back of the card, which is automatically renewed with each EMV transaction, with or without contact, thereby rendering any attempt to copy and reuse the code worthless. With the EVC All-In-One module, card manufacturers are now able to better meet the requirements of financial institutions by providing them with an innovative, high-margin and easy-to-integrate solution for significantly improving the security of e-commerce.

500 YEARS OF RESILIENCE, 10 YEARS OF TRANSFORMATION

SKILL ENRICHMENT

2017
Integration of Thales Group's Identity and Biometrics technologies.

2014
Integration of SPS' secure electronic component business.

2006
Design and customisation of secure State documents (introduction of the 1st personalised electronic passport in France).

2021
Electronic identity documents integrating latest generation government-issued digital identities in France and Monaco.

2020
Integration of Nexus for creating and protecting secure digital identities for professionals.

2002
1st delegation of public service.

STRATEGIC AUTONOMY

2025
Identity at the heart of digital trust for Governments, businesses, people and objects.

1993
Imprimerie Nationale: private limited company with 100% state capital.

2019
Optical and digital components for identity and fiduciary security.

1640
New name: Imprimerie Royale.

2018
A new name for serving clients worldwide: States, Citizens & Businesses.

1538
Granted privilege of 'Printer to the King in Greek' by Francis I.

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